

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/327,525

DATE: 05/24/95  
TIME: 08:29:50

INPUT SET: S3840.raw

This Raw Listing contains the General  
Information Section and those Sequences  
containing ERRORS.

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SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Chee, Mark S.  
Wang, Chunwei  
Jevons, Luis C.  
Bernhart, Derek H.  
Lipshutz, Robert J.

(ii) TITLE OF INVENTION: Computer-Aided Visualization and  
Analysis System for Sequence Evaluation

(iii) NUMBER OF SEQUENCES: 39

(iv) CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE: Townsend and Townsend Kourie and Crew  
(B) STREET: One Market Plaza, Steuart Tower, Suite 2000  
(C) CITY: San Francisco  
(D) STATE: California  
(E) COUNTRY: USA  
(F) ZIP: 94105

(v) COMPUTER READABLE FORM:  
(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:  
(A) APPLICATION NUMBER: US  
(B) FILING DATE:  
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:  
(A) NAME: Norviel, Vernon A.  
(B) REGISTRATION NUMBER: 32,483  
(C) REFERENCE/DOCKET NUMBER: 16528X-82

(ix) TELECOMMUNICATION INFORMATION:  
(A) TELEPHONE: 415-326-2400  
(B) TELEFAX: 415-326-2422

ERRORED SEQUENCES FOLLOW:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/327,525DATE: 05/24/95  
TIME: 08:29:54

INPUT SET: S3840.raw

221 (2) INFORMATION FOR SEQ ID NO:12:  
222  
223 (i) SEQUENCE CHARACTERISTICS:  
--> 224 (A) LENGTH: 59 base pairs  
225 (B) TYPE: nucleic acid  
226 (C) STRANDEDNESS: single  
227 (D) TOPOLOGY: linear  
228  
229 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
230  
231  
232  
233 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
234  
--> 235 GCATTAGTAG AGATATGGAG AGRARDGGRA AXXXAAGGGA AAATTNNNAA AATTGGGGCC 59  
236

*"X" is not a valid nucleic acid designator according to §1.822(b) of the Rules. Use N.*

237 (2) INFORMATION FOR SEQ ID NO:13:  
238  
239 (i) SEQUENCE CHARACTERISTICS:  
--> 240 (A) LENGTH: 59 base pairs  
241 (B) TYPE: nucleic acid  
242 (C) STRANDEDNESS: single  
243 (D) TOPOLOGY: linear  
244  
245 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
246  
247  
248  
249 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
250  
--> 251 GCATTAGTAG AGATATGKAS AGRARDGGRA AXXXAAGGGA AAATNNNAA AATTGGGGCC 59  
252  
253

*edit throughout*

254 (2) INFORMATION FOR SEQ ID NO:14:  
255  
256 (i) SEQUENCE CHARACTERISTICS:  
--> 257 (A) LENGTH: 59 base pairs  
258 (B) TYPE: nucleic acid  
259 (C) STRANDEDNESS: single  
260 (D) TOPOLOGY: linear  
261  
262 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
263  
264  
265  
266 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
267  
--> 268 GCATTAGTAG AGATATGKAS AGRRRDGGRA AXXXAAGGGA AAADTYNNAA AATTGGGGCC 59  
269

270 (2) INFORMATION FOR SEQ ID NO:15:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/327,525DATE: 05/24/95  
TIME: 08:29:58

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271  
272 (i) SEQUENCE CHARACTERISTICS:  
--> 273 (A) LENGTH: 59 base pairs  
274 (B) TYPE: nucleic acid  
275 (C) STRANDEDNESS: single  
276 (D) TOPOLOGY: linear  
277  
278 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
279  
280  
281  
282 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:  
283  
--> 284 GCATTAGTAG AGATATGTAS AGRRADGGAA AXGGAAGGGA AAATTNNNNA AATTGGGCC 59  
285

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286 (2) INFORMATION FOR SEQ ID NO:16:  
287  
288 (i) SEQUENCE CHARACTERISTICS:  
--> 289 (A) LENGTH: 59 base pairs  
290 (B) TYPE: nucleic acid  
291 (C) STRANDEDNESS: single  
292 (D) TOPOLOGY: linear  
293  
294 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
295  
296  
297  
298 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:  
299  
--> 300 GCATTAGTAG AGATATGTAC AGRGAGGGAA AXGGAAGGGA AAATTNNNNA AATTGGGCC 59  
301

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302 (2) INFORMATION FOR SEQ ID NO:17:  
303  
304 (i) SEQUENCE CHARACTERISTICS:  
--> 305 (A) LENGTH: 59 base pairs  
306 (B) TYPE: nucleic acid  
307 (C) STRANDEDNESS: single  
308 (D) TOPOLOGY: linear  
309  
310 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
311  
312  
313  
314 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:  
315  
--> 316 GCATTAGTAG AGATATGTAS AGRGAGGGAA AXGGAAGGGA AAATTNNNNA AATTGGGCC 59  
317

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318 (2) INFORMATION FOR SEQ ID NO:18:  
319  
320 (i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/327,525DATE: 05/24/95  
TIME: 08:30:02

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--> 321 (A) LENGTH: 59 base pairs  
322 (B) TYPE: nucleic acid  
323 (C) STRANDEDNESS: single  
324 (D) TOPOLOGY: linear  
325  
326 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
327  
328  
329  
330 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:  
331  
--> 332 GCATTAGTAG GAGGNNNGAC AGGGRKGGAA AXXMAAGGGA AAKTNNNAA AATTGGGCC 59  
333

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494 (2) INFORMATION FOR SEQ ID NO:27:  
495  
496 (i) SEQUENCE CHARACTERISTICS:  
--> 497 (A) LENGTH: 160 base pairs  
498 (B) TYPE: nucleic acid  
499 (C) STRANDEDNESS: single  
500 (D) TOPOLOGY: linear  
501  
502 (ii) MOLECULE TYPE: DNA (oligonucleotide)  
503  
504  
505  
506 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:  
507  
--> 508 TCGAGATAAT CTATGTCCTC GTCTACTATG TCATAATCTT CTTTACYCAA ACGGTCCTXC 60  
509  
510 TACCTTTGGT TTTTACTATC CCMCTTAACC TCCAAAATAG TTTCATTCTG TCATACTAGT 120  
511  
512 CTATGAGTAG CTTTAGACAC CTGTATTTTCG ATATCCATGT 160  
513

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SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/08/327,525

DATE: 05/24/95

TIME: 08:30:05

INPUT SET: S3840.raw

Line	Error	Original Text
31	Wrong application Serial Number	(A) APPLICATION NUMBER: US
224	Entered (59) and Calc. Seq. Length (56) differ	(A) LENGTH: 59 base pairs
235	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGGAG AGRARDGGRA AXXX
235	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGGAG AGRARDGGRA AXXX
235	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGGAG AGRARDGGRA AXXX
235	# of Sequences for line conflicts w/ running total	GCATTAGTAG AGATATGGAG AGRARDGGRA AXXX
240	Entered (59) and Calc. Seq. Length (56) differ	(A) LENGTH: 59 base pairs
251	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGKAS AGRARDGGRA AXXX
251	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGKAS AGRARDGGRA AXXX
251	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGKAS AGRARDGGRA AXXX
251	# of Sequences for line conflicts w/ running total	GCATTAGTAG AGATATGKAS AGRARDGGRA AXXX
257	Entered (59) and Calc. Seq. Length (56) differ	(A) LENGTH: 59 base pairs
268	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGKAS AGRRRDGGRA AXXXA
268	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGKAS AGRRRDGGRA AXXXA
268	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGKAS AGRRRDGGRA AXXXA
268	# of Sequences for line conflicts w/ running total	GCATTAGTAG AGATATGKAS AGRRRDGGRA AXXXA
273	Entered (59) and Calc. Seq. Length (58) differ	(A) LENGTH: 59 base pairs
284	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGTAS AGRRADGGAA AXGG
284	# of Sequences for line conflicts w/ running total	GCATTAGTAG AGATATGTAS AGRRADGGAA AXGG
289	Entered (59) and Calc. Seq. Length (58) differ	(A) LENGTH: 59 base pairs
300	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGTAC AGRGAGGGAA AXGG
300	# of Sequences for line conflicts w/ running total	GCATTAGTAG AGATATGTAC AGRGAGGGAA AXGG
305	Entered (59) and Calc. Seq. Length (58) differ	(A) LENGTH: 59 base pairs
316	Wrong Nucleic Acid Designator	GCATTAGTAG AGATATGTAS AGRGAGGGAA AXGG
316	# of Sequences for line conflicts w/ running total	GCATTAGTAG AGATATGTAS AGRGAGGGAA AXGG
321	Entered (59) and Calc. Seq. Length (57) differ	(A) LENGTH: 59 base pairs
332	Wrong Nucleic Acid Designator	GCATTAGTAG GAGGNNNGAC AGGGRKGGAA AXXM
332	Wrong Nucleic Acid Designator	GCATTAGTAG GAGGNNNGAC AGGGRKGGAA AXXM
332	# of Sequences for line conflicts w/ running total	GCATTAGTAG GAGGNNNGAC AGGGRKGGAA AXXM
497	Entered (160) and Calc. Seq. Length (159) differ	(A) LENGTH: 160 base pairs
508	Wrong Nucleic Acid Designator	TCGAGATAAT CTATGTCCTC GTCTACTATG TCATAA
508	# of Sequences for line conflicts w/ running total	TCGAGATAAT CTATGTCCTC GTCTACTATG TCATAA